

Datasheet for ABIN1048473
anti-CXCR2 antibody (Extracellular Domain)

2 Images

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Overview

Quantity:	50 µg
Target:	CXCR2
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 15 amino acid peptide from 2nd extracellular domain of human CXCR2. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Monkey (100%), Gorilla (80%). Type of Immunogen: Synthetic peptide
Specificity:	Human CXCR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Monkey (100%) Gorilla (80%).
Purification:	Immunoaffinity purified

Target Details

Target:	CXCR2
Alternative Name:	CXCR2 (CXCR2 Products)
Background:	<p>Name/Gene ID: CXCR2</p> <p>Subfamily: Chemokine</p> <p>Family: GPCR</p> <p>Synonyms: CXCR2, CDw128b, CD182 antigen, CMKAR2, CXCR-2, CD182, CXC-R2, IL-8R B, IL-8 receptor b, IL-8 receptor type 2, IL-8rb, IL8R2, IL8RB, Interleukin-8 receptor type B, GRO/MGSA receptor, Interleukin 8 receptor beta, Interleukin 8 receptor, beta, Chemokine (CXC) receptor 2, IL8RA, Interleukin 8 receptor B, Interleukin 8 receptor type 2</p>
Gene ID:	3579
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	The IHC-pro Immunohistochemistry Protocol

Tissue Preparation

Formalin fixation and embedding in paraffin wax

Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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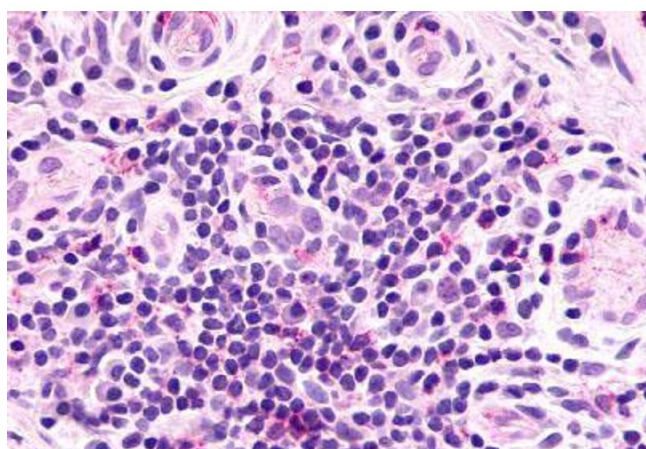
Buffer:	PBS, less than 0.1 % sodium azide.
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Preservative:	Sodium azide
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Handling

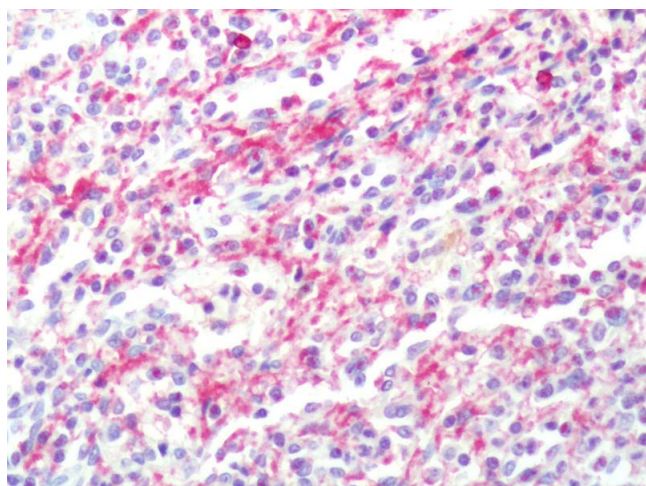
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-CXCR2 antibody ABIN1048473 IHC staining of human synovium, rheumatoid arthritis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)